





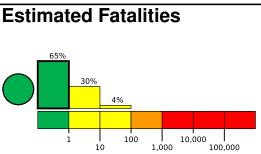
Created: 2 hours, 3 minutes after earthquake

PAGER

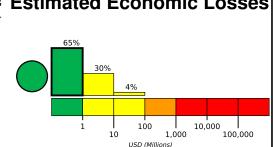
Version 2

M 6.0, 108 km E of Ohonua, Tonga

Origin Time: 2022-04-19 04:33:41 UTC (Mon 16:33:41 local) Location: 21.4509° S 173.9149° W Depth: 10.0 km



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likelihood of casualties and damage.



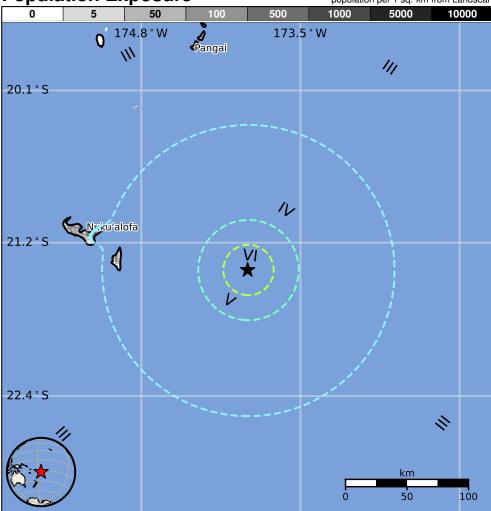
Estimated Population Exposed to Earthquake Shaking

	-		-							
ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	45k*	47k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY			11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1977-06-22	248	8.0	VII(47k)	0
1983-03-21	141	6.7	VII(53k)	_
2006-05-03	145	8.0	VIII(7k)	0

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	'Ohonua	1k
Ш	Pangai	2k
Ш	Vaini	3k
Ш	Haveluloto	3k
IV	Nuku'alofa	22k
1 11 20		// 1000

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/us7000h393#pager